

Concept Skills—Spring 2017—Algebra Foundations

#	Concept Skill	Pass?
1	Solve an Equation with <i>Variables on Both Sides</i>	
2	Solve an Equation with <i>Parentheses</i>	
3	Solve a <i>Multi-Step Equation</i>	
4	Check the <i>Validity of a Solution (Evaluate)</i>	
5	Solve a <i>Literal Equation</i>	
6	Graph a <i>Linear Equation</i> using a <i>Table of Values</i>	
7	Generate a <i>Table of Values</i> to Graph a <i>Linear Equation</i>	
8	Find the <i>Slope of a Line</i> using <i>Slope Triangles</i>	
9	Find the <i>Slope of a Line</i> using: $m = \frac{y_2 - y_1}{x_2 - x_1}$	
10	Express the <i>Slope of a Vertical and Horizontal Line</i>	
11	Solve a <i>Proportion</i>	
12	Generate a <i>Direct Variation Equation</i>	
13	Graph a <i>Linear Equation</i> using <i>Slope Intercept Form</i>	
14	Graph a <i>Linear Equation</i> given in <i>Standard Form</i>	
15	Graph a <i>Linear Equation</i> using <i>Intercepts</i>	
16	Write a <i>Linear Equation</i> in <i>Slope Intercept Form</i> given a <i>Picture</i>	
17	Write a <i>Linear Equation</i> in <i>Slope Intercept Form</i> given <i>m</i> and <i>b</i>	
18	Write a <i>Linear Equation</i> in <i>Point Slope Form</i> given a <i>point</i> and <i>m</i>	
19	Write a <i>Linear Equation</i> in <i>Point Slope Form</i> given <i>2 points</i>	
20	Convert <i>Point Slope Form</i> of a <i>Line</i> to <i>Slope Intercept Form</i>	
21	Write a <i>Linear Equation</i> given a <i>Practical Scenario</i>	
22	Find the <i>Point of Intersection of 2 Lines</i>	
23	Solve a <i>System of Linear Equations</i> given a <i>Practical Scenario</i>	